

# Comparisons of Job Characteristics

**Focus Occupation:** [Electricians \(47-2111\)](#)

**Associated Occupation:** [Supervisors of Construction and Extraction Workers \(47-1011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 80

**Focus Occupation:** Electricians (47-2111)

**Associated Occupation:** Supervisors of Construction and Extraction Workers (47-1011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	16.9	14.6	< Expanded education and/or training may be required
Mechanical	6.8	13.9	16.5	> Current knowledge level is likely sufficient
Administration and Management	8.4	12.8	12.2	0 Current knowledge level may be sufficient
Mathematics	9.2	12.8	14.5	> Current knowledge level is likely sufficient
Design	5.2	10.9	13.4	> Current knowledge level is likely sufficient
Engineering and Technology	5.7	10.6	11.8	> Current knowledge level is likely sufficient
Public Safety and Security	6.9	10.2	7.6	<< Extensive education and/or training may be required
Personnel and Human Resources	5.6	8.6	3.9	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 13

**Focus Occupation:** Electricians (47-2111)

**Associated Occupation:** Supervisors of Construction and Extraction Workers (47-1011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Coordination	9.1	12.2	9.8	< A higher skill level may be required
Management of Personnel Resources	6.9	11.6	8.6	<< Extensive development of skills in this area may be required
Time Management	8.9	11.2	9.1	< A higher skill level may be required
Persuasion	7.4	9.6	7.0	<< Extensive development of skills in this area may be required

Equipment Selection	3.3	6.9	8.4	>	Skill level is likely sufficient
Management of Material Resources	3.7	5.6	5.8	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 75

**Focus Occupation: Electricians (47-2111)**

**Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Comprehension	12.5	13.4	12.2	0	Current ability level may be sufficient
Oral Expression	12.4	13.3	11.7	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	12.1	12.7	0	Current ability level may be sufficient
Deductive Reasoning	10.6	11.2	11.2	0	Current ability level may be sufficient
Near Vision	11.1	11.0	12.3	>	Current ability level is likely sufficient
Written Comprehension	11.0	10.7	10.3	0	Current ability level may be sufficient
Written Expression	9.8	10.6	8.1	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	10.4	10.6	0	Current ability level may be sufficient
Visualization	7.5	9.8	12.2	>	Current ability level is likely sufficient
Number Facility	6.3	8.2	7.7	0	Current ability level may be sufficient
Time Sharing	6.6	7.9	7.9	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 62

**Focus Occupation: Electricians (47-2111)**

**Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

Work Activities	Exclusivity of Activity
Conduct training for personnel	30
Direct and coordinate activities of workers or staff	3
Order or purchase supplies, materials, or equipment	35
Perform safety inspections in construction or resource extraction setting	46
Plan or organize work	51
Prepare reports	8
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 84

**Focus Occupation: Electricians (47-2111)**

**Associated Occupation: Supervisors of Construction and Extraction Workers (47-1011)**

Tools and Technologies	Exclusivity
Aerial lifts	13
Business function specific software	1
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Cutting tools	18
Data management and query software	1
Earth moving machinery	11
Electrical measuring and testing equipment	7
Face and head protection	7
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Industry specific software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Light and wave generating and measuring equipment	4
Machine tools	7
Marking tools	11
Measuring and layout tools	3
Mechanical instruments	14
Personal communication devices	2
Power generators	16
Power tools	2
Pressure measuring and control instruments	10
Prying and bending tools	10
Pulling tools	31
Respiratory protection	6
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Temperature and heat measuring instruments	6
Tool attachments and accessories	12
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.